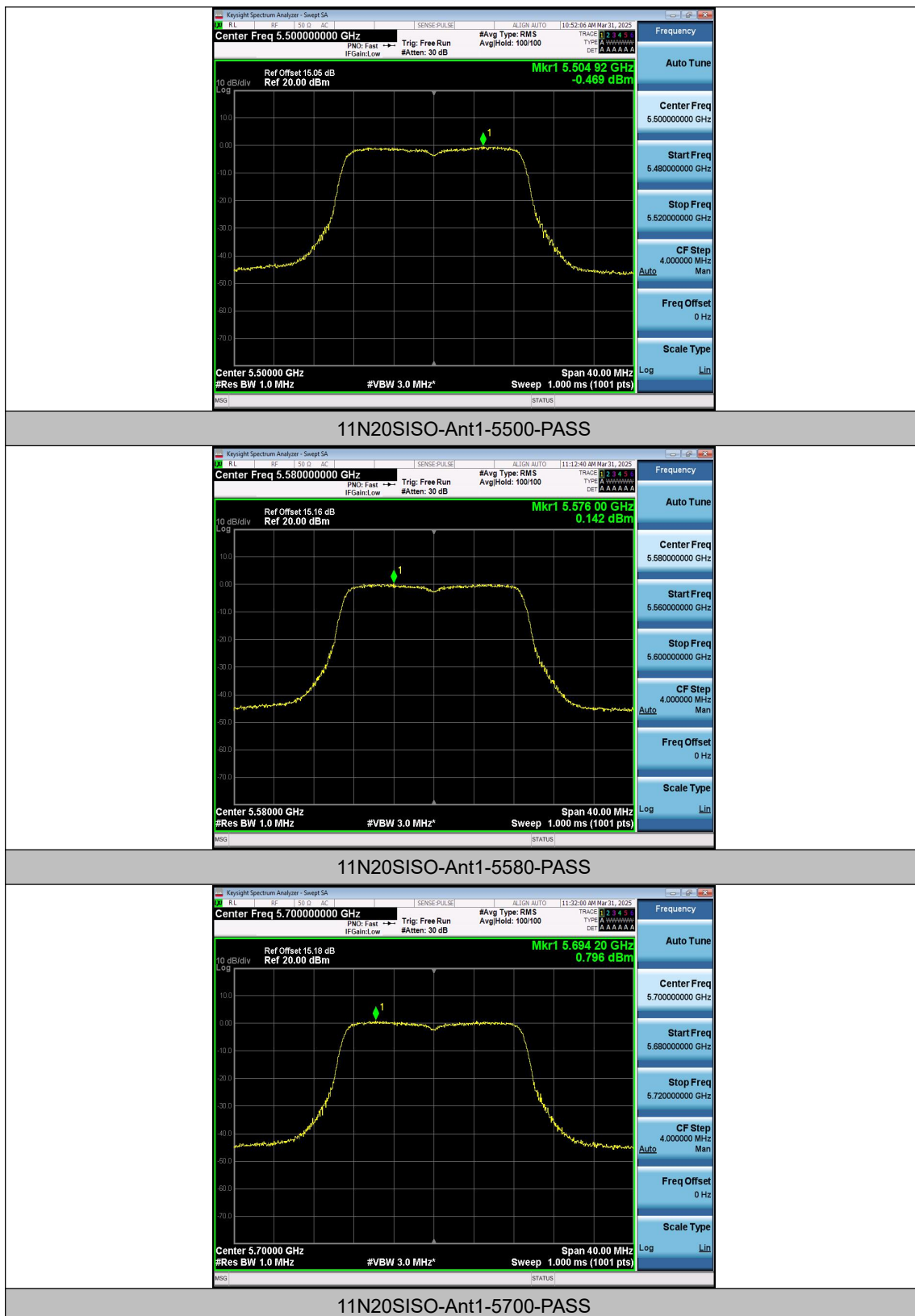
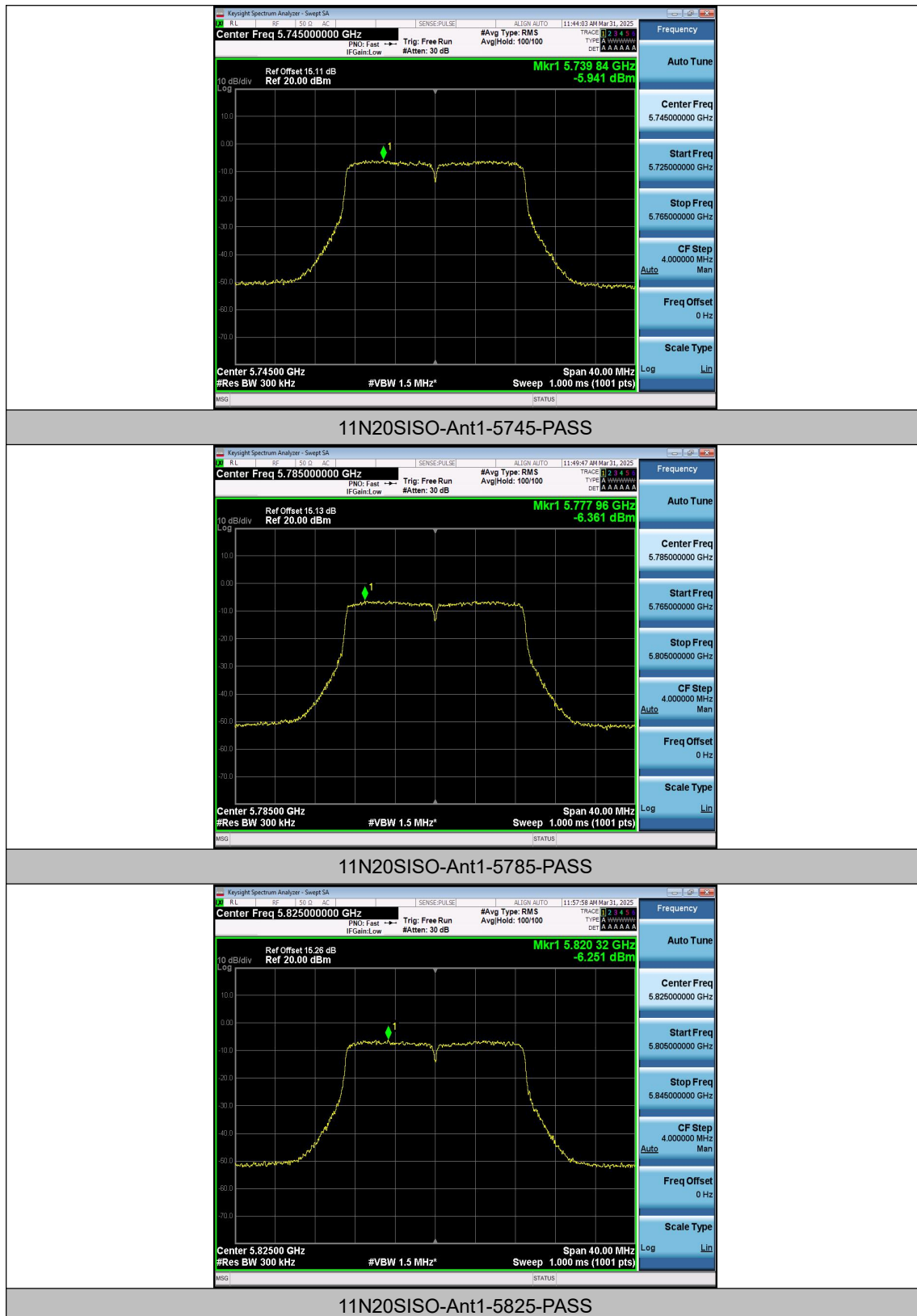
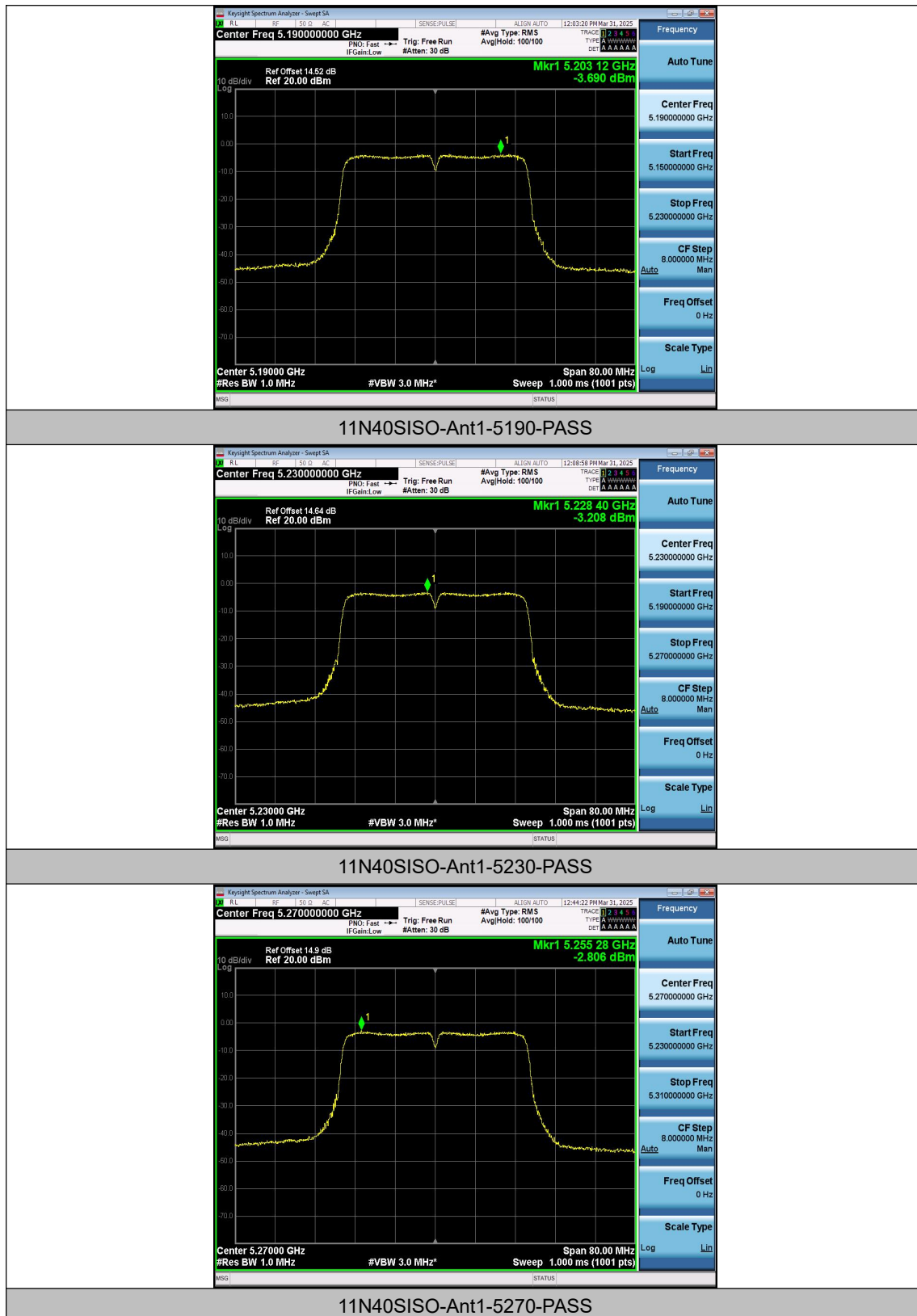
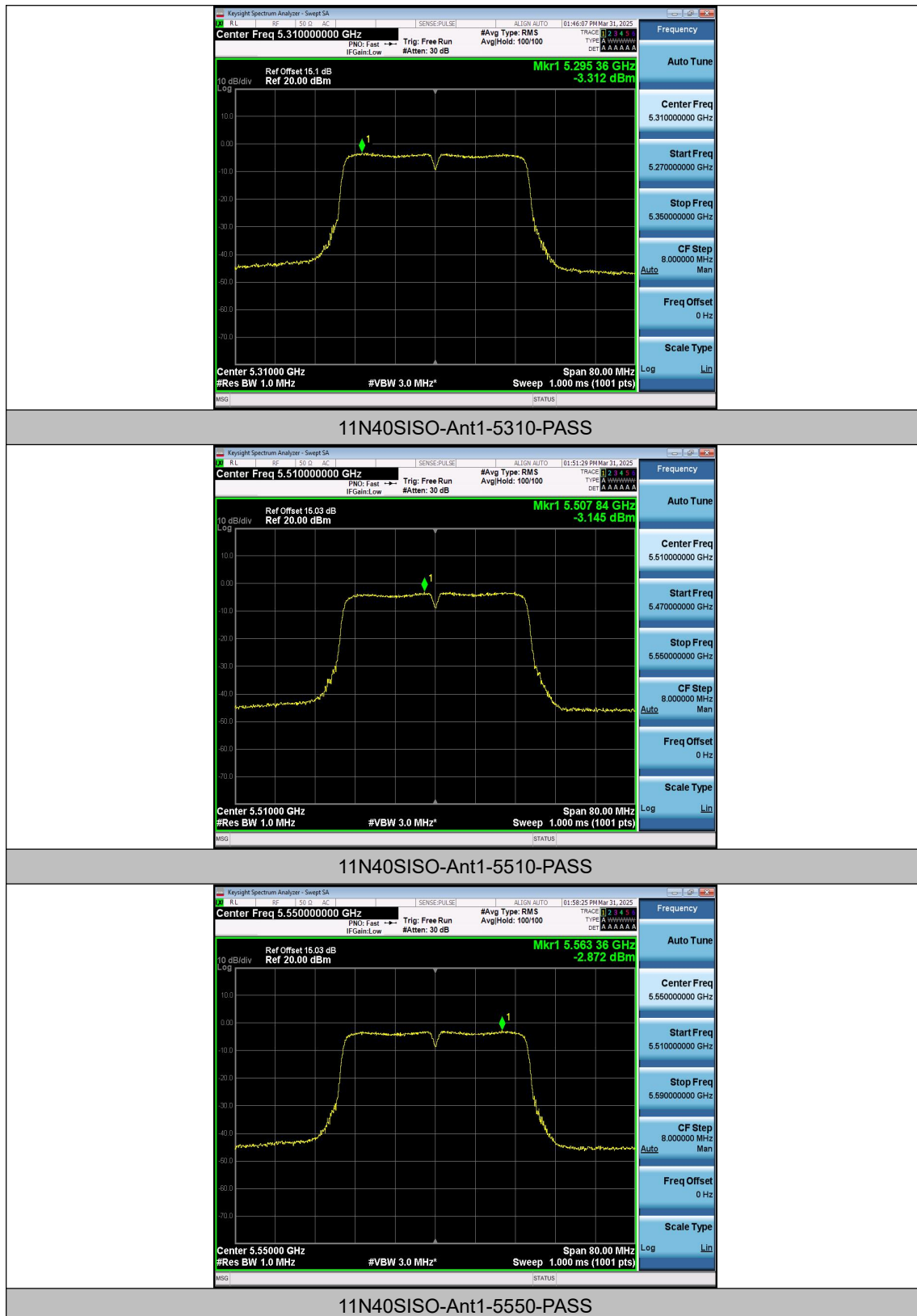
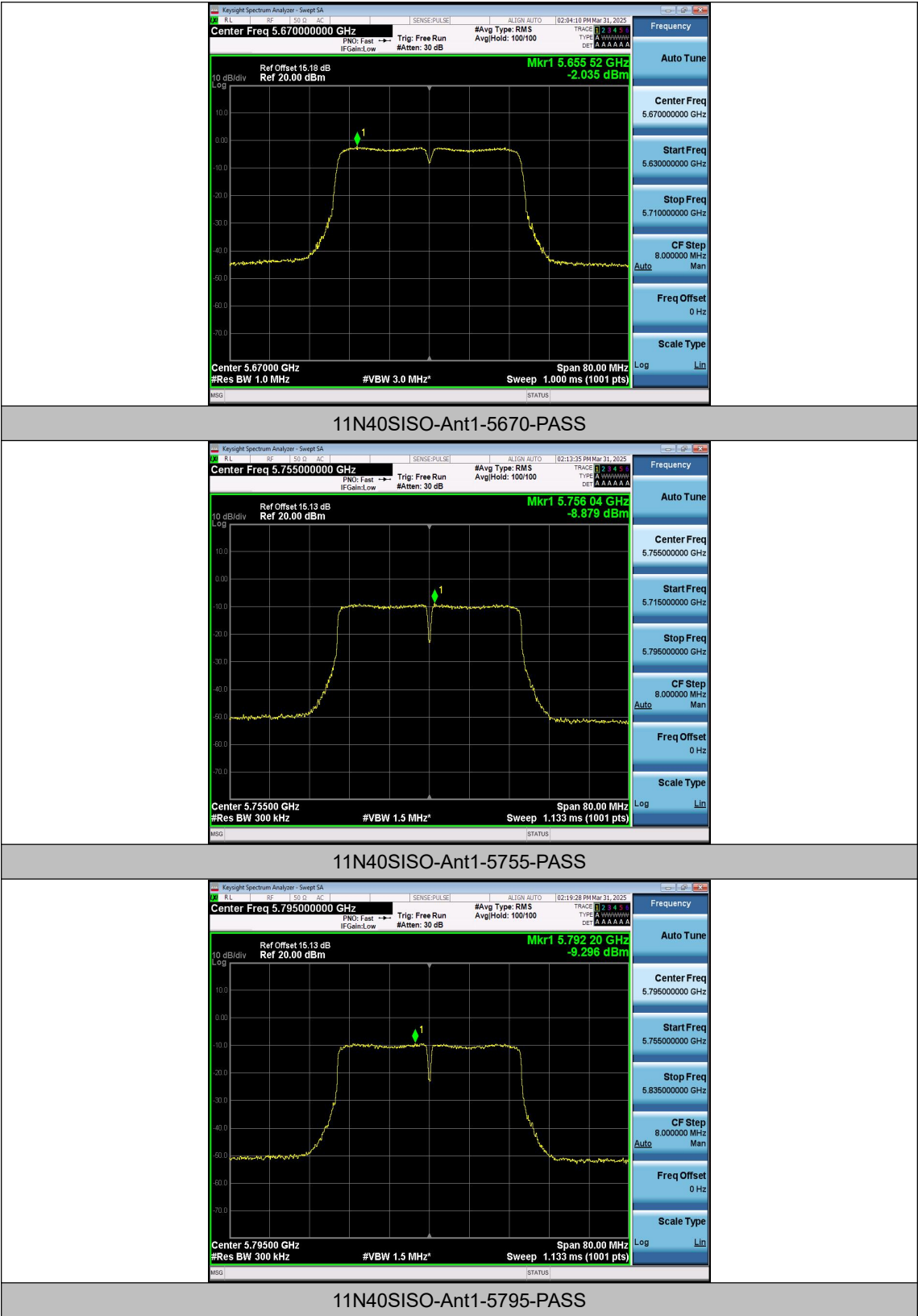


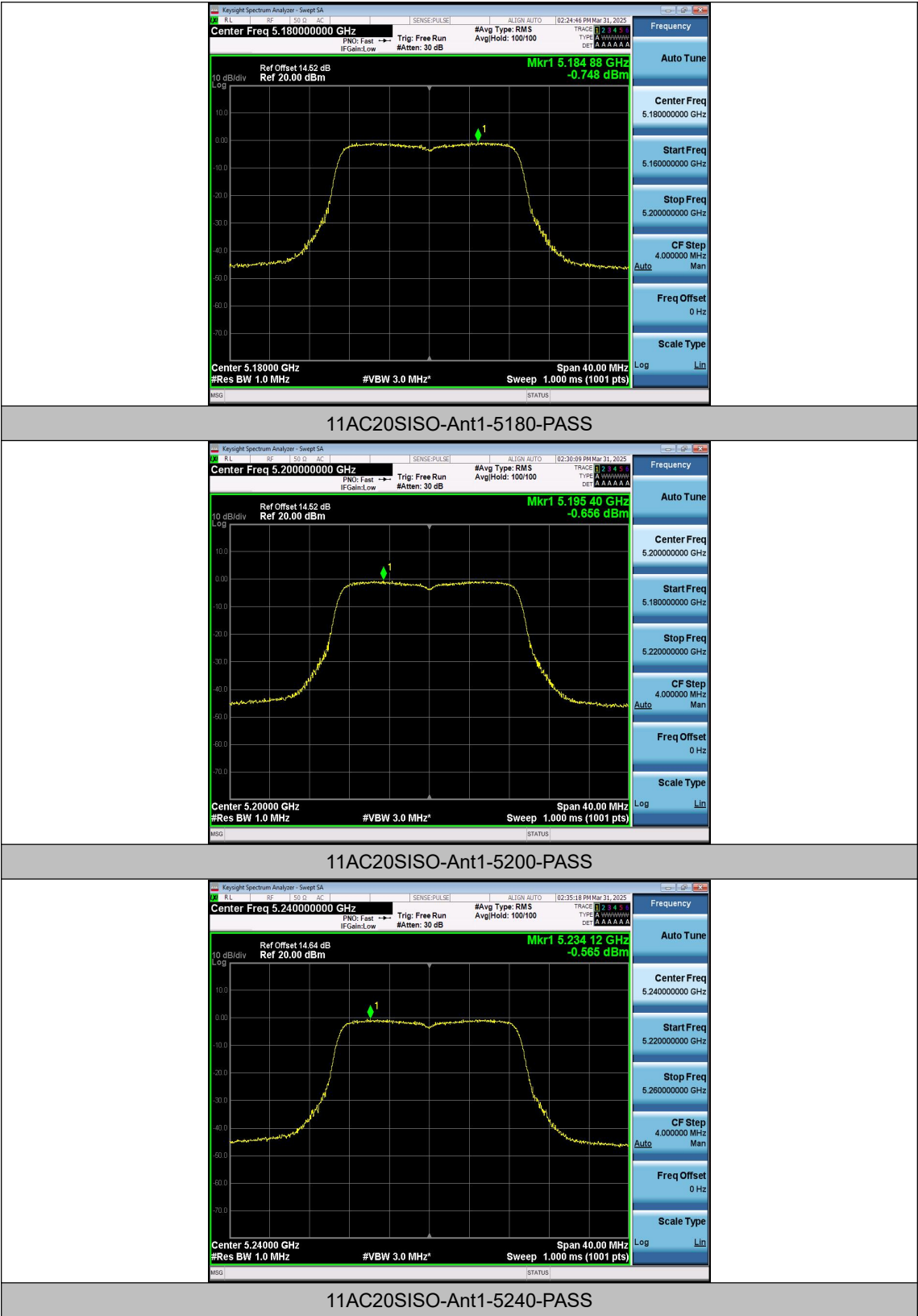


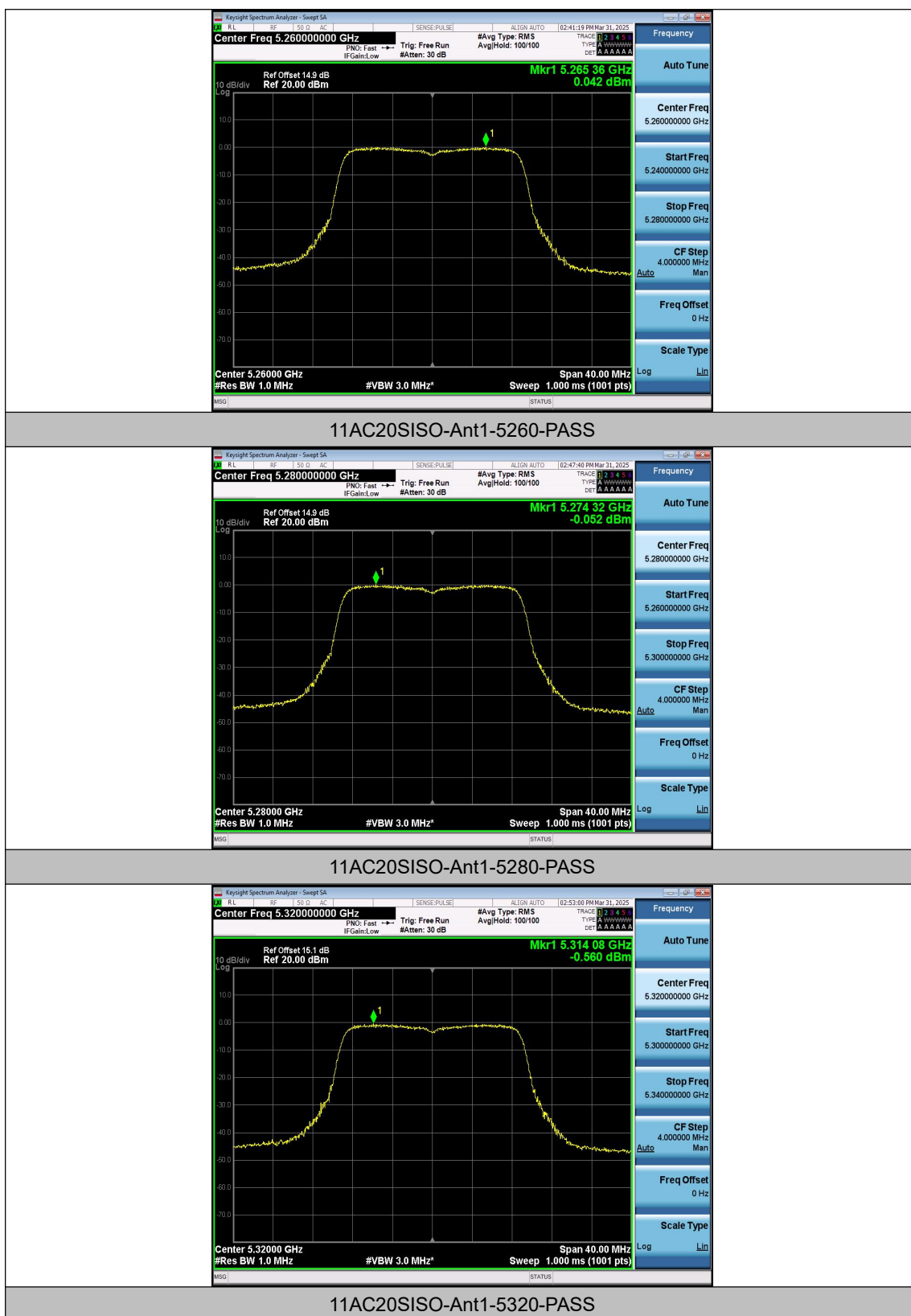


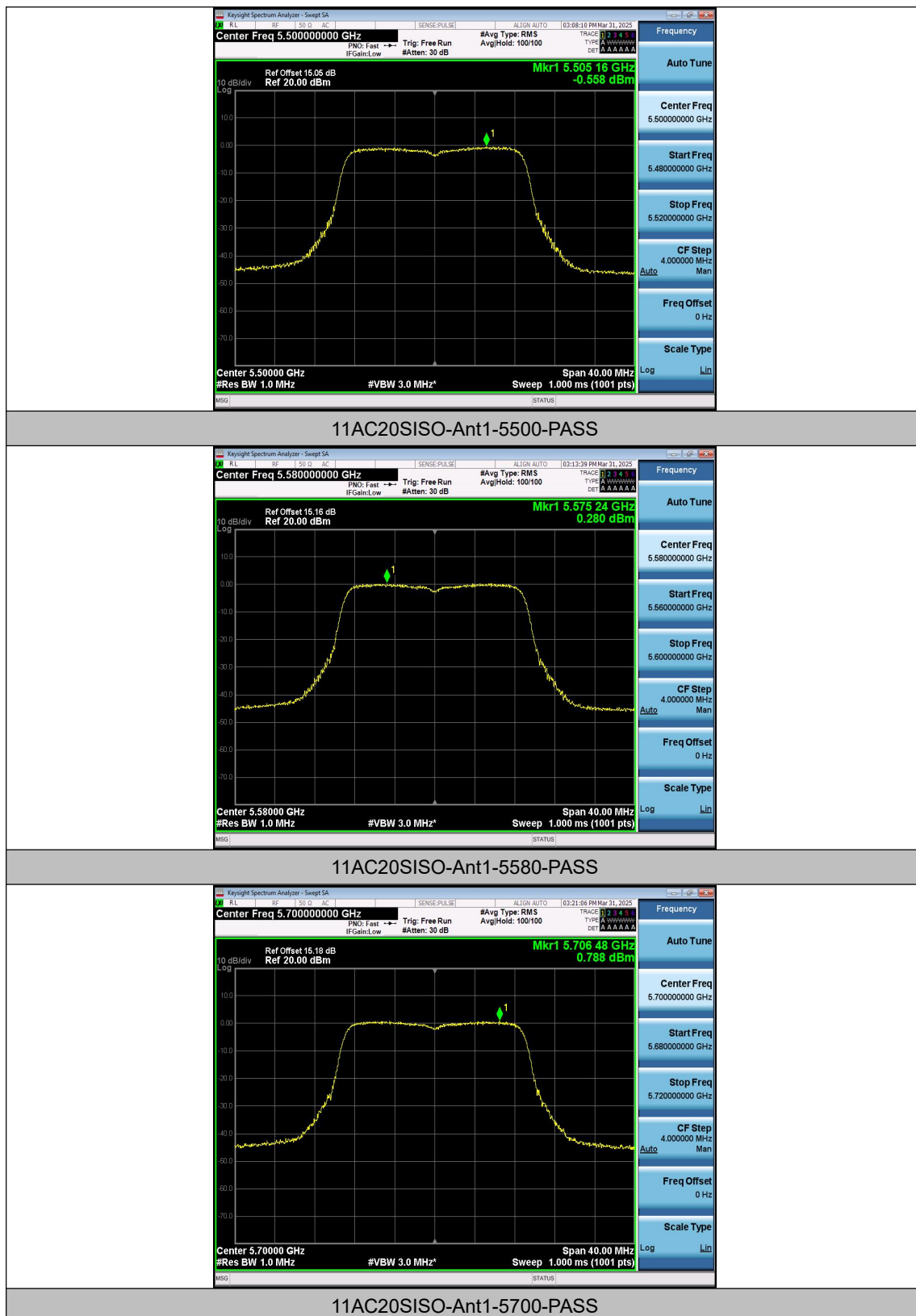


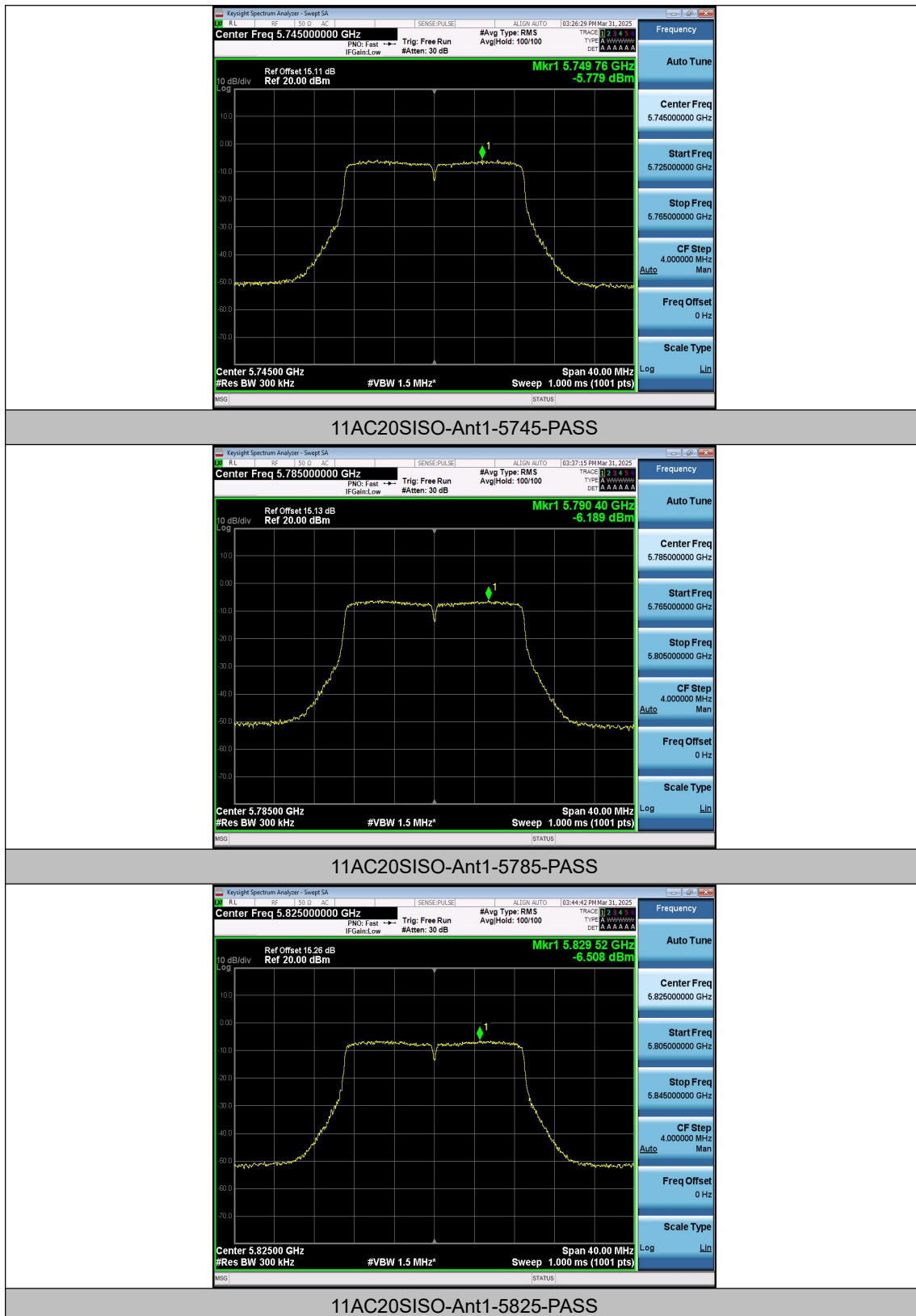


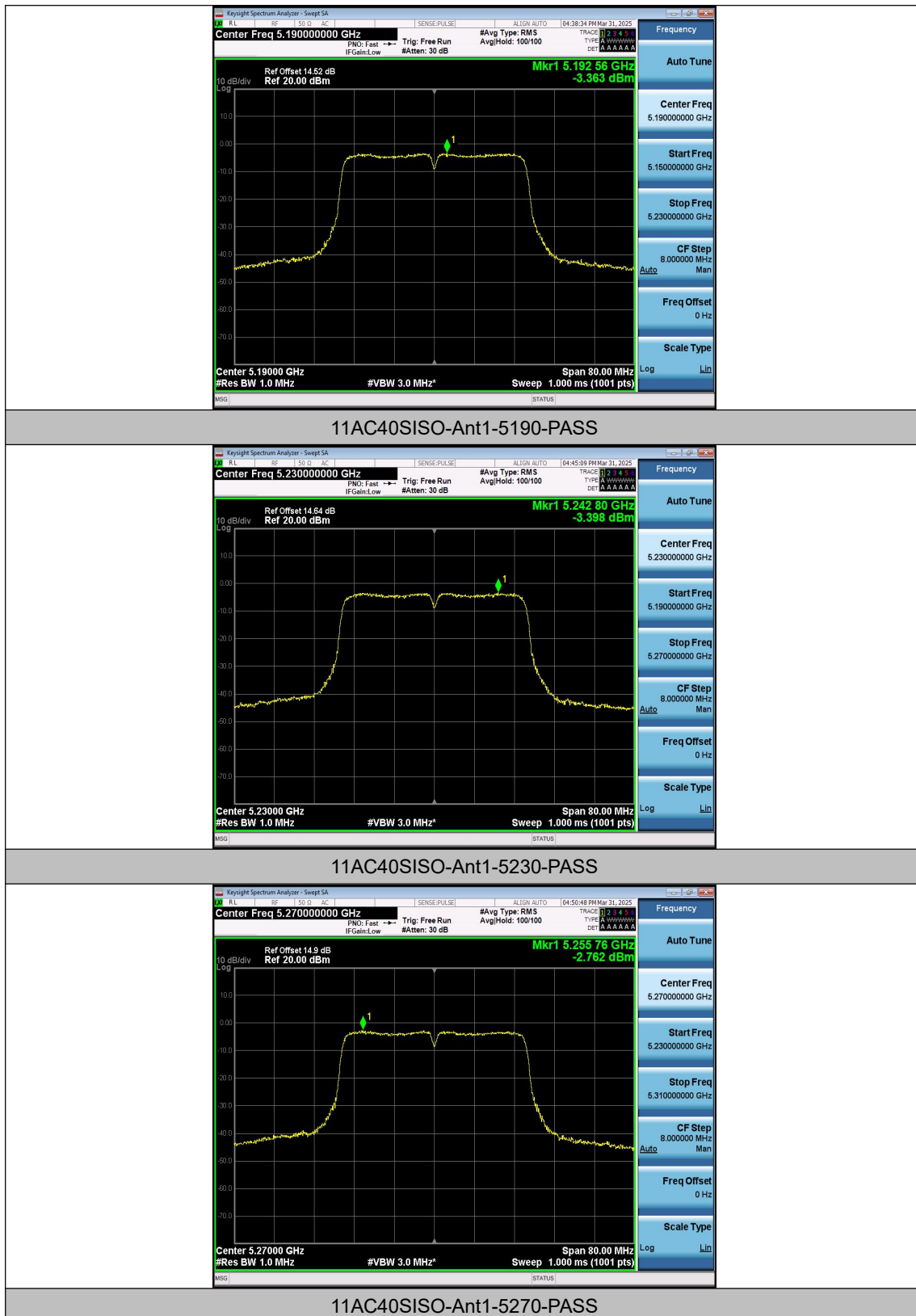


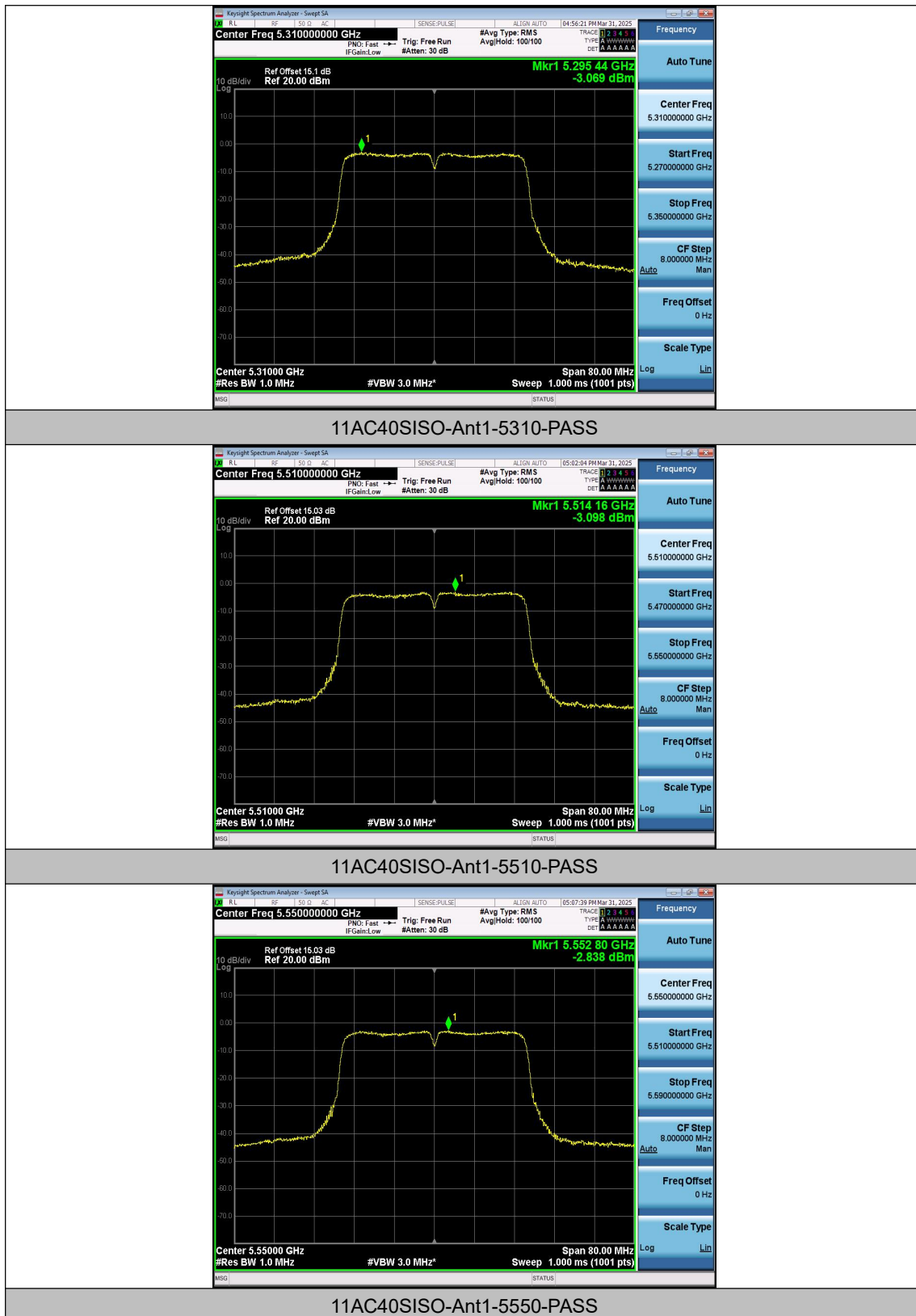


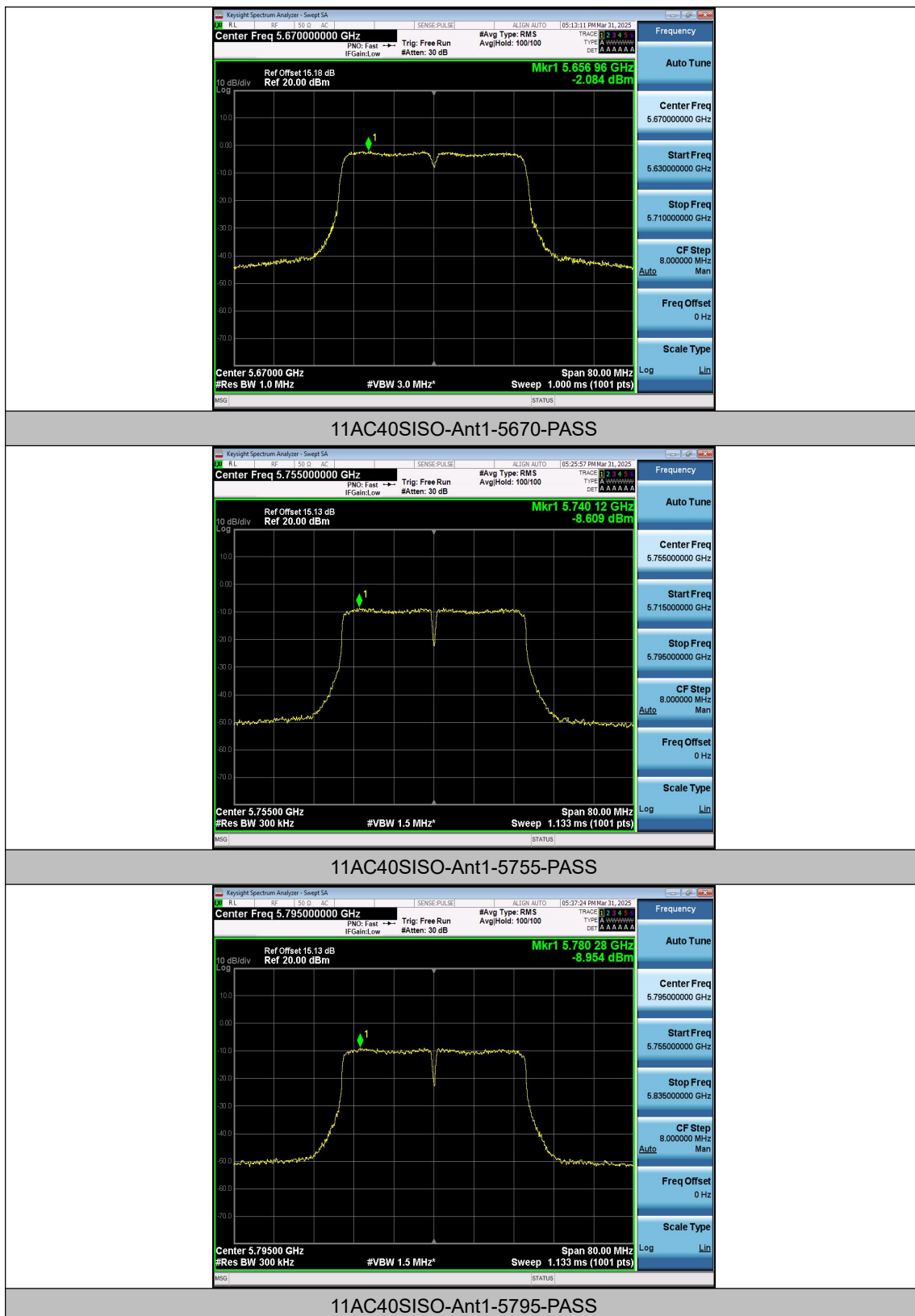


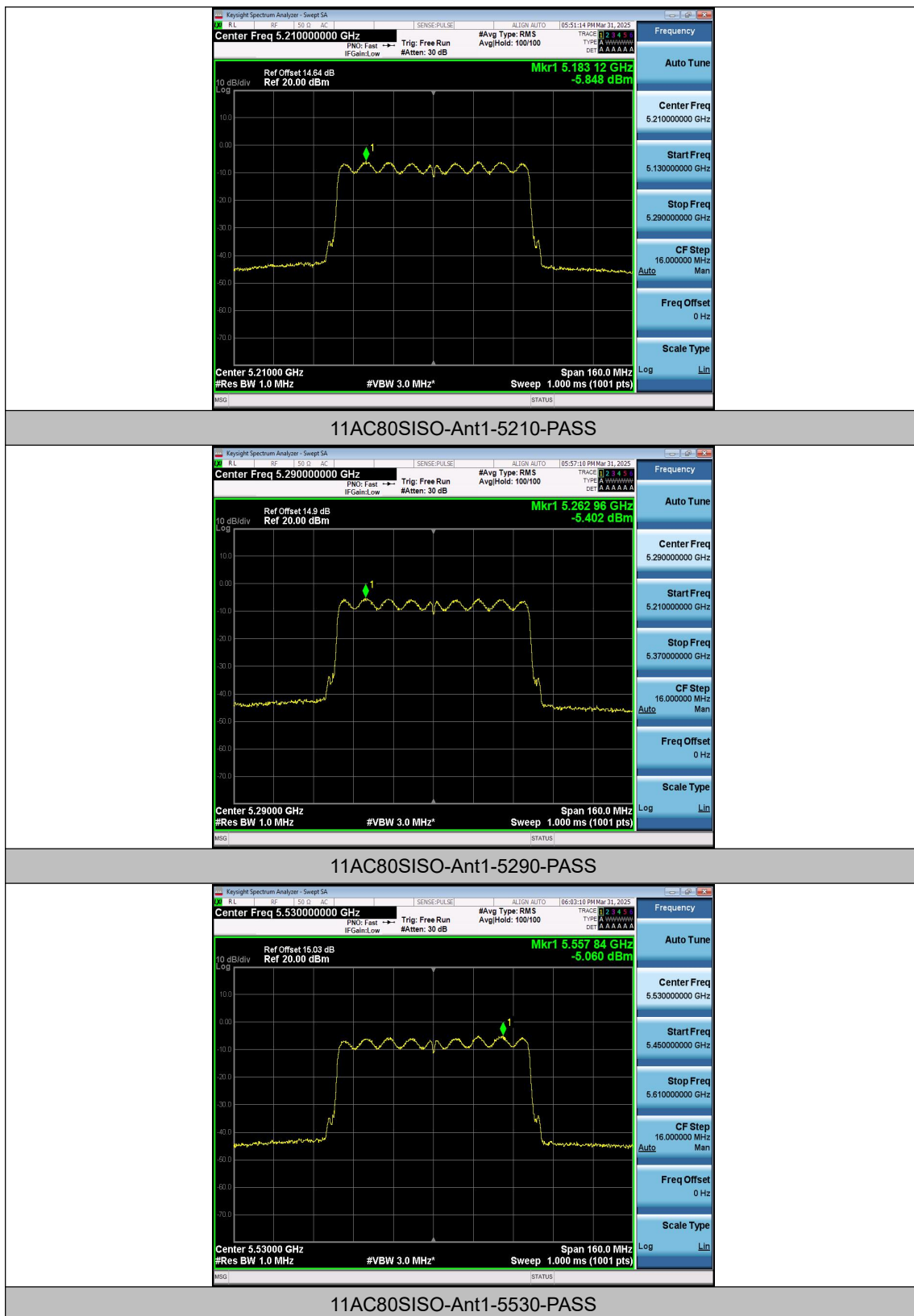














Appendix E: Frequency Stability

Test Result

TestMode	Antenna	Frequen cy[MHz]	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	LV	NT	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	HV	NT	-40000.00	-7.722008	20	PASS
11A	Ant1	5200	NV	NT	-40000.00	-7.692308	20	PASS
11A	Ant1	5200	LV	NT	-40000.00	-7.692308	20	PASS
11A	Ant1	5200	HV	NT	-40000.00	-7.692308	20	PASS
11A	Ant1	5240	NV	NT	-40000.00	-7.633588	20	PASS
11A	Ant1	5240	LV	NT	-40000.00	-7.633588	20	PASS
11A	Ant1	5240	HV	NT	-40000.00	-7.633588	20	PASS
11A	Ant1	5260	NV	NT	-40000.00	-7.604563	20	PASS
11A	Ant1	5260	LV	NT	-40000.00	-7.604563	20	PASS
11A	Ant1	5260	HV	NT	-40000.00	-7.604563	20	PASS
11A	Ant1	5280	NV	NT	-40000.00	-7.575758	20	PASS
11A	Ant1	5280	LV	NT	-40000.00	-7.575758	20	PASS
11A	Ant1	5280	HV	NT	-40000.00	-7.575758	20	PASS
11A	Ant1	5320	NV	NT	-40000.00	-7.518797	20	PASS
11A	Ant1	5320	LV	NT	-40000.00	-7.518797	20	PASS
11A	Ant1	5320	HV	NT	-40000.00	-7.518797	20	PASS
11A	Ant1	5500	NV	NT	-40000.00	-7.272727	20	PASS
11A	Ant1	5500	LV	NT	-40000.00	-7.272727	20	PASS
11A	Ant1	5500	HV	NT	-40000.00	-7.272727	20	PASS
11A	Ant1	5580	NV	NT	-40000.00	-7.168459	20	PASS
11A	Ant1	5580	LV	NT	-40000.00	-7.168459	20	PASS
11A	Ant1	5580	HV	NT	-40000.00	-7.168459	20	PASS
11A	Ant1	5700	NV	NT	-40000.00	-7.017544	20	PASS
11A	Ant1	5700	LV	NT	-40000.00	-7.017544	20	PASS
11A	Ant1	5700	HV	NT	-40000.00	-7.017544	20	PASS
11A	Ant1	5745	NV	NT	-40000.00	-6.962576	20	PASS
11A	Ant1	5745	LV	NT	-40000.00	-6.962576	20	PASS
11A	Ant1	5745	HV	NT	-40000.00	-6.962576	20	PASS
11A	Ant1	5785	NV	NT	-60000.00	-10.371651	20	PASS
11A	Ant1	5785	LV	NT	-40000.00	-6.914434	20	PASS
11A	Ant1	5785	HV	NT	-40000.00	-6.914434	20	PASS
11A	Ant1	5825	NV	NT	-40000.00	-6.866953	20	PASS
11A	Ant1	5825	LV	NT	-40000.00	-6.866953	20	PASS
11A	Ant1	5825	HV	NT	-40000.00	-6.866953	20	PASS
11N20SIS	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS

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O								
11N20SIS O	Ant1	5180	LV	NT	-40000.00	-7.722008	20	PASS
11N20SIS O	Ant1	5180	HV	NT	-40000.00	-7.722008	20	PASS
11N20SIS O	Ant1	5200	NV	NT	-40000.00	-7.692308	20	PASS
11N20SIS O	Ant1	5200	LV	NT	-40000.00	-7.692308	20	PASS
11N20SIS O	Ant1	5200	HV	NT	-40000.00	-7.692308	20	PASS
11N20SIS O	Ant1	5240	NV	NT	-40000.00	-7.633588	20	PASS
11N20SIS O	Ant1	5240	LV	NT	-40000.00	-7.633588	20	PASS
11N20SIS O	Ant1	5240	HV	NT	-40000.00	-7.633588	20	PASS
11N20SIS O	Ant1	5260	HV	NT	-40000.00	-7.604563	20	PASS
11N20SIS O	Ant1	5260	NV	NT	-40000.00	-7.604563	20	PASS
11N20SIS O	Ant1	5260	LV	NT	-40000.00	-7.604563	20	PASS
11N20SIS O	Ant1	5280	NV	NT	-40000.00	-7.575758	20	PASS
11N20SIS O	Ant1	5280	LV	NT	-20000.00	-3.787879	20	PASS
11N20SIS O	Ant1	5280	HV	NT	-40000.00	-7.575758	20	PASS
11N20SIS O	Ant1	5320	NV	NT	-40000.00	-7.518797	20	PASS
11N20SIS O	Ant1	5320	LV	NT	-40000.00	-7.518797	20	PASS
11N20SIS O	Ant1	5320	HV	NT	-40000.00	-7.518797	20	PASS
11N20SIS O	Ant1	5500	NV	NT	-40000.00	-7.272727	20	PASS
11N20SIS O	Ant1	5500	LV	NT	-40000.00	-7.272727	20	PASS
11N20SIS O	Ant1	5500	HV	NT	-40000.00	-7.272727	20	PASS
11N20SIS O	Ant1	5580	NV	NT	-40000.00	-7.168459	20	PASS

11N20SIS O	Ant1	5580	LV	NT	-40000.00	-7.168459	20	PASS
11N20SIS O	Ant1	5580	HV	NT	-40000.00	-7.168459	20	PASS
11N20SIS O	Ant1	5700	NV	NT	-40000.00	-7.017544	20	PASS
11N20SIS O	Ant1	5700	LV	NT	-40000.00	-7.017544	20	PASS
11N20SIS O	Ant1	5700	HV	NT	-40000.00	-7.017544	20	PASS
11N20SIS O	Ant1	5745	NV	NT	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5745	LV	NT	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5745	HV	NT	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5785	NV	NT	-40000.00	-6.914434	20	PASS
11N20SIS O	Ant1	5785	LV	NT	-40000.00	-6.914434	20	PASS
11N20SIS O	Ant1	5785	HV	NT	-40000.00	-6.914434	20	PASS
11N20SIS O	Ant1	5825	NV	NT	-40000.00	-6.866953	20	PASS
11N20SIS O	Ant1	5825	LV	NT	-40000.00	-6.866953	20	PASS
11N20SIS O	Ant1	5825	HV	NT	-40000.00	-6.866953	20	PASS
11N40SIS O	Ant1	5190	NV	NT	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5190	LV	NT	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5190	HV	NT	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5230	NV	NT	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	LV	NT	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	HV	NT	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5270	NV	NT	-40000.00	-7.590133	20	PASS
11N40SIS	Ant1	5270	LV	NT	-40000.00	-7.590133	20	PASS

O								
11N40SIS O	Ant1	5270	HV	NT	-40000.00	-7.590133	20	PASS
11N40SIS O	Ant1	5310	NV	NT	-40000.00	-7.532957	20	PASS
11N40SIS O	Ant1	5310	LV	NT	-40000.00	-7.532957	20	PASS
11N40SIS O	Ant1	5310	HV	NT	-40000.00	-7.532957	20	PASS
11N40SIS O	Ant1	5510	NV	NT	-40000.00	-7.259528	20	PASS
11N40SIS O	Ant1	5510	LV	NT	-40000.00	-7.259528	20	PASS
11N40SIS O	Ant1	5510	HV	NT	-40000.00	-7.259528	20	PASS
11N40SIS O	Ant1	5550	NV	NT	-40000.00	-7.207207	20	PASS
11N40SIS O	Ant1	5550	LV	NT	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5550	HV	NT	-40000.00	-7.207207	20	PASS
11N40SIS O	Ant1	5670	NV	NT	-40000.00	-7.054674	20	PASS
11N40SIS O	Ant1	5670	LV	NT	-40000.00	-7.054674	20	PASS
11N40SIS O	Ant1	5670	HV	NT	-40000.00	-7.054674	20	PASS
11N40SIS O	Ant1	5755	NV	NT	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5755	LV	NT	-80000.00	-13.900956	20	PASS
11N40SIS O	Ant1	5755	HV	NT	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5795	NV	NT	-40000.00	-6.902502	20	PASS
11N40SIS O	Ant1	5795	LV	NT	-40000.00	-6.902502	20	PASS
11N40SIS O	Ant1	5795	HV	NT	-40000.00	-6.902502	20	PASS
11AC20SI SO	Ant1	5180	NV	NT	-40000.00	-7.722008	20	PASS
11AC20SI SO	Ant1	5180	LV	NT	-40000.00	-7.722008	20	PASS

11AC20SI SO	Ant1	5180	HV	NT	-40000.00	-7.722008	20	PASS
11AC20SI SO	Ant1	5200	NV	NT	-40000.00	-7.692308	20	PASS
11AC20SI SO	Ant1	5200	LV	NT	-40000.00	-7.692308	20	PASS
11AC20SI SO	Ant1	5200	HV	NT	-40000.00	-7.692308	20	PASS
11AC20SI SO	Ant1	5240	NV	NT	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5240	LV	NT	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5240	HV	NT	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5260	NV	NT	-40000.00	-7.604563	20	PASS
11AC20SI SO	Ant1	5260	LV	NT	-40000.00	-7.604563	20	PASS
11AC20SI SO	Ant1	5260	HV	NT	-40000.00	-7.604563	20	PASS
11AC20SI SO	Ant1	5280	NV	NT	-40000.00	-7.575758	20	PASS
11AC20SI SO	Ant1	5280	LV	NT	-40000.00	-7.575758	20	PASS
11AC20SI SO	Ant1	5280	HV	NT	-40000.00	-7.575758	20	PASS
11AC20SI SO	Ant1	5320	NV	NT	-40000.00	-7.518797	20	PASS
11AC20SI SO	Ant1	5320	LV	NT	-40000.00	-7.518797	20	PASS
11AC20SI SO	Ant1	5320	HV	NT	-40000.00	-7.518797	20	PASS
11AC20SI SO	Ant1	5500	NV	NT	-20000.00	-3.636364	20	PASS
11AC20SI SO	Ant1	5500	LV	NT	-20000.00	-3.636364	20	PASS
11AC20SI SO	Ant1	5500	HV	NT	-40000.00	-7.272727	20	PASS
11AC20SI SO	Ant1	5580	NV	NT	-40000.00	-7.168459	20	PASS
11AC20SI SO	Ant1	5580	LV	NT	-40000.00	-7.168459	20	PASS
11AC20SI	Ant1	5580	HV	NT	-40000.00	-7.168459	20	PASS

SO								
11AC20SI SO	Ant1	5700	NV	NT	-60000.00	-10.526316	20	PASS
11AC20SI SO	Ant1	5700	LV	NT	-40000.00	-7.017544	20	PASS
11AC20SI SO	Ant1	5700	HV	NT	-40000.00	-7.017544	20	PASS
11AC20SI SO	Ant1	5745	NV	NT	-60000.00	-10.443864	20	PASS
11AC20SI SO	Ant1	5745	LV	NT	-40000.00	-6.962576	20	PASS
11AC20SI SO	Ant1	5745	HV	NT	-40000.00	-6.962576	20	PASS
11AC20SI SO	Ant1	5785	NV	NT	-60000.00	-10.371651	20	PASS
11AC20SI SO	Ant1	5785	LV	NT	-60000.00	-10.371651	20	PASS
11AC20SI SO	Ant1	5785	HV	NT	-60000.00	-10.371651	20	PASS
11AC20SI SO	Ant1	5825	NV	NT	-60000.00	-10.300429	20	PASS
11AC20SI SO	Ant1	5825	LV	NT	-40000.00	-6.866953	20	PASS
11AC20SI SO	Ant1	5825	HV	NT	-40000.00	-6.866953	20	PASS
11AC40SI SO	Ant1	5190	NV	NT	-40000.00	-7.707129	20	PASS
11AC40SI SO	Ant1	5190	LV	NT	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5190	HV	NT	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5230	NV	NT	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5230	LV	NT	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5230	HV	NT	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5270	NV	NT	-40000.00	-7.590133	20	PASS
11AC40SI SO	Ant1	5270	LV	NT	-40000.00	-7.590133	20	PASS
11AC40SI SO	Ant1	5270	HV	NT	-40000.00	-7.590133	20	PASS

11AC40SI SO	Ant1	5310	NV	NT	-40000.00	-7.532957	20	PASS
11AC40SI SO	Ant1	5310	LV	NT	-40000.00	-7.532957	20	PASS
11AC40SI SO	Ant1	5310	HV	NT	-40000.00	-7.532957	20	PASS
11AC40SI SO	Ant1	5510	NV	NT	-40000.00	-7.259528	20	PASS
11AC40SI SO	Ant1	5510	LV	NT	-40000.00	-7.259528	20	PASS
11AC40SI SO	Ant1	5510	HV	NT	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5550	NV	NT	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5550	LV	NT	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5550	HV	NT	-40000.00	-7.207207	20	PASS
11AC40SI SO	Ant1	5670	NV	NT	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5670	LV	NT	-40000.00	-7.054674	20	PASS
11AC40SI SO	Ant1	5670	HV	NT	-40000.00	-7.054674	20	PASS
11AC40SI SO	Ant1	5755	NV	NT	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5755	LV	NT	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5755	HV	NT	-40000.00	-6.950478	20	PASS
11AC40SI SO	Ant1	5795	NV	NT	-40000.00	-6.902502	20	PASS
11AC40SI SO	Ant1	5795	LV	NT	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5795	HV	NT	-40000.00	-6.902502	20	PASS
11AC80SI SO	Ant1	5210	NV	NT	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5210	LV	NT	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5210	HV	NT	0.00	0.000000	20	PASS
11AC80SI	Ant1	5290	NV	NT	0.00	0.000000	20	PASS

SO								
11AC80SI SO	Ant1	5290	LV	NT	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5290	HV	NT	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5530	NV	NT	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5530	LV	NT	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5530	HV	NT	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5610	NV	NT	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5610	LV	NT	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5610	HV	NT	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5775	NV	NT	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5775	LV	NT	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5775	HV	NT	0.00	0.000000	20	PASS

TestMode	Antenna	Frequen cy[MHz]	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	NV	-20	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	NV	-10	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	NV	0	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	NV	10	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	NV	20	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	NV	30	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	NV	40	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	NV	50	-40000.00	-7.722008	20	PASS
11A	Ant1	5200	NV	-30	-40000.00	-7.692308	20	PASS
11A	Ant1	5200	NV	-20	-40000.00	-7.692308	20	PASS
11A	Ant1	5200	NV	-10	-40000.00	-7.692308	20	PASS
11A	Ant1	5200	NV	0	-40000.00	-7.692308	20	PASS
11A	Ant1	5200	NV	10	-40000.00	-7.692308	20	PASS
11A	Ant1	5200	NV	20	-40000.00	-7.692308	20	PASS
11A	Ant1	5200	NV	30	-40000.00	-7.692308	20	PASS

11A	Ant1	5200	NV	40	-40000.00	-7.692308	20	PASS
11A	Ant1	5200	NV	50	-40000.00	-7.692308	20	PASS
11A	Ant1	5240	NV	-30	-40000.00	-7.633588	20	PASS
11A	Ant1	5240	NV	-20	-40000.00	-7.633588	20	PASS
11A	Ant1	5240	NV	-10	-40000.00	-7.633588	20	PASS
11A	Ant1	5240	NV	0	-40000.00	-7.633588	20	PASS
11A	Ant1	5240	NV	10	-40000.00	-7.633588	20	PASS
11A	Ant1	5240	NV	20	-40000.00	-7.633588	20	PASS
11A	Ant1	5240	NV	30	-40000.00	-7.633588	20	PASS
11A	Ant1	5240	NV	40	-40000.00	-7.633588	20	PASS
11A	Ant1	5240	NV	50	-40000.00	-7.633588	20	PASS
11A	Ant1	5260	NV	-30	-40000.00	-7.604563	20	PASS
11A	Ant1	5260	NV	-20	-40000.00	-7.604563	20	PASS
11A	Ant1	5260	NV	-10	-40000.00	-7.604563	20	PASS
11A	Ant1	5260	NV	0	-40000.00	-7.604563	20	PASS
11A	Ant1	5260	NV	10	-40000.00	-7.604563	20	PASS
11A	Ant1	5260	NV	20	-40000.00	-7.604563	20	PASS
11A	Ant1	5260	NV	30	-40000.00	-7.604563	20	PASS
11A	Ant1	5260	NV	40	-40000.00	-7.604563	20	PASS
11A	Ant1	5260	NV	50	-40000.00	-7.604563	20	PASS
11A	Ant1	5280	NV	-30	-40000.00	-7.575758	20	PASS
11A	Ant1	5280	NV	-20	-60000.00	-11.363636	20	PASS
11A	Ant1	5280	NV	-10	-40000.00	-7.575758	20	PASS
11A	Ant1	5280	NV	0	-40000.00	-7.575758	20	PASS
11A	Ant1	5280	NV	10	-40000.00	-7.575758	20	PASS
11A	Ant1	5280	NV	20	-40000.00	-7.575758	20	PASS
11A	Ant1	5280	NV	30	-40000.00	-7.575758	20	PASS
11A	Ant1	5280	NV	40	-40000.00	-7.575758	20	PASS
11A	Ant1	5280	NV	50	-40000.00	-7.575758	20	PASS
11A	Ant1	5320	NV	-30	-40000.00	-7.518797	20	PASS
11A	Ant1	5320	NV	-20	-40000.00	-7.518797	20	PASS
11A	Ant1	5320	NV	-10	-40000.00	-7.518797	20	PASS
11A	Ant1	5320	NV	0	-40000.00	-7.518797	20	PASS
11A	Ant1	5320	NV	10	-60000.00	-11.278195	20	PASS
11A	Ant1	5320	NV	20	-40000.00	-7.518797	20	PASS
11A	Ant1	5320	NV	30	-40000.00	-7.518797	20	PASS
11A	Ant1	5320	NV	40	-60000.00	-11.278195	20	PASS
11A	Ant1	5320	NV	50	-40000.00	-7.518797	20	PASS
11A	Ant1	5500	NV	-30	-40000.00	-7.272727	20	PASS
11A	Ant1	5500	NV	-20	-40000.00	-7.272727	20	PASS
11A	Ant1	5500	NV	-10	-40000.00	-7.272727	20	PASS
11A	Ant1	5500	NV	0	-40000.00	-7.272727	20	PASS

11A	Ant1	5500	NV	10	-40000.00	-7.272727	20	PASS
11A	Ant1	5500	NV	20	-40000.00	-7.272727	20	PASS
11A	Ant1	5500	NV	30	-40000.00	-7.272727	20	PASS
11A	Ant1	5500	NV	40	-40000.00	-7.272727	20	PASS
11A	Ant1	5500	NV	50	-40000.00	-7.272727	20	PASS
11A	Ant1	5580	NV	-30	-40000.00	-7.168459	20	PASS
11A	Ant1	5580	NV	-20	-40000.00	-7.168459	20	PASS
11A	Ant1	5580	NV	-10	-40000.00	-7.168459	20	PASS
11A	Ant1	5580	NV	0	-40000.00	-7.168459	20	PASS
11A	Ant1	5580	NV	10	-40000.00	-7.168459	20	PASS
11A	Ant1	5580	NV	20	-40000.00	-7.168459	20	PASS
11A	Ant1	5580	NV	30	-40000.00	-7.168459	20	PASS
11A	Ant1	5580	NV	40	-40000.00	-7.168459	20	PASS
11A	Ant1	5580	NV	50	-40000.00	-7.168459	20	PASS
11A	Ant1	5700	NV	-30	-60000.00	-10.526316	20	PASS
11A	Ant1	5700	NV	-20	-40000.00	-7.017544	20	PASS
11A	Ant1	5700	NV	-10	-40000.00	-7.017544	20	PASS
11A	Ant1	5700	NV	0	-40000.00	-7.017544	20	PASS
11A	Ant1	5700	NV	10	-40000.00	-7.017544	20	PASS
11A	Ant1	5700	NV	20	-40000.00	-7.017544	20	PASS
11A	Ant1	5700	NV	30	-40000.00	-7.017544	20	PASS
11A	Ant1	5700	NV	40	-40000.00	-7.017544	20	PASS
11A	Ant1	5700	NV	50	-40000.00	-7.017544	20	PASS
11A	Ant1	5745	NV	-30	-40000.00	-6.962576	20	PASS
11A	Ant1	5745	NV	-20	-40000.00	-6.962576	20	PASS
11A	Ant1	5745	NV	-10	-40000.00	-6.962576	20	PASS
11A	Ant1	5745	NV	0	-40000.00	-6.962576	20	PASS
11A	Ant1	5745	NV	10	-40000.00	-6.962576	20	PASS
11A	Ant1	5745	NV	20	-40000.00	-6.962576	20	PASS
11A	Ant1	5745	NV	30	-40000.00	-6.962576	20	PASS
11A	Ant1	5745	NV	40	-40000.00	-6.962576	20	PASS
11A	Ant1	5745	NV	50	-40000.00	-6.962576	20	PASS
11A	Ant1	5785	NV	-30	-40000.00	-6.914434	20	PASS
11A	Ant1	5785	NV	-20	-40000.00	-6.914434	20	PASS
11A	Ant1	5785	NV	-10	-40000.00	-6.914434	20	PASS
11A	Ant1	5785	NV	0	-40000.00	-6.914434	20	PASS
11A	Ant1	5785	NV	10	-40000.00	-6.914434	20	PASS
11A	Ant1	5785	NV	20	-40000.00	-6.914434	20	PASS
11A	Ant1	5785	NV	30	-40000.00	-6.914434	20	PASS
11A	Ant1	5785	NV	40	-40000.00	-6.914434	20	PASS
11A	Ant1	5785	NV	50	-40000.00	-6.914434	20	PASS
11A	Ant1	5825	NV	-30	-60000.00	-10.300429	20	PASS

11A	Ant1	5825	NV	-20	-40000.00	-6.866953	20	PASS
11A	Ant1	5825	NV	-10	-40000.00	-6.866953	20	PASS
11A	Ant1	5825	NV	0	-40000.00	-6.866953	20	PASS
11A	Ant1	5825	NV	10	-60000.00	-10.300429	20	PASS
11A	Ant1	5825	NV	20	-40000.00	-6.866953	20	PASS
11A	Ant1	5825	NV	30	-40000.00	-6.866953	20	PASS
11A	Ant1	5825	NV	40	-40000.00	-6.866953	20	PASS
11A	Ant1	5825	NV	50	-40000.00	-6.866953	20	PASS
11N20SIS O	Ant1	5180	NV	-30	-40000.00	-7.722008	20	PASS
11N20SIS O	Ant1	5180	NV	-20	-40000.00	-7.722008	20	PASS
11N20SIS O	Ant1	5180	NV	-10	-40000.00	-7.722008	20	PASS
11N20SIS O	Ant1	5180	NV	0	-40000.00	-7.722008	20	PASS
11N20SIS O	Ant1	5180	NV	10	-40000.00	-7.722008	20	PASS
11N20SIS O	Ant1	5180	NV	20	-40000.00	-7.722008	20	PASS
11N20SIS O	Ant1	5180	NV	30	-40000.00	-7.722008	20	PASS
11N20SIS O	Ant1	5180	NV	40	-40000.00	-7.722008	20	PASS
11N20SIS O	Ant1	5180	NV	50	-40000.00	-7.722008	20	PASS
11N20SIS O	Ant1	5200	NV	-30	-40000.00	-7.692308	20	PASS
11N20SIS O	Ant1	5200	NV	-20	-40000.00	-7.692308	20	PASS
11N20SIS O	Ant1	5200	NV	-10	-40000.00	-7.692308	20	PASS
11N20SIS O	Ant1	5200	NV	0	-40000.00	-7.692308	20	PASS
11N20SIS O	Ant1	5200	NV	10	-40000.00	-7.692308	20	PASS
11N20SIS O	Ant1	5200	NV	20	-40000.00	-7.692308	20	PASS
11N20SIS O	Ant1	5200	NV	30	-40000.00	-7.692308	20	PASS
11N20SIS O	Ant1	5200	NV	40	-40000.00	-7.692308	20	PASS
11N20SIS	Ant1	5200	NV	50	-40000.00	-7.692308	20	PASS

O								
11N20SIS O	Ant1	5240	NV	-30	-40000.00	-7.633588	20	PASS
11N20SIS O	Ant1	5240	NV	-20	-40000.00	-7.633588	20	PASS
11N20SIS O	Ant1	5240	NV	-10	-40000.00	-7.633588	20	PASS
11N20SIS O	Ant1	5240	NV	0	-40000.00	-7.633588	20	PASS
11N20SIS O	Ant1	5240	NV	10	-40000.00	-7.633588	20	PASS
11N20SIS O	Ant1	5240	NV	20	-40000.00	-7.633588	20	PASS
11N20SIS O	Ant1	5240	NV	30	-40000.00	-7.633588	20	PASS
11N20SIS O	Ant1	5240	NV	40	-40000.00	-7.633588	20	PASS
11N20SIS O	Ant1	5240	NV	50	-40000.00	-7.633588	20	PASS
11N20SIS O	Ant1	5260	NV	-30	-40000.00	-7.604563	20	PASS
11N20SIS O	Ant1	5260	NV	-20	-40000.00	-7.604563	20	PASS
11N20SIS O	Ant1	5260	NV	-10	-40000.00	-7.604563	20	PASS
11N20SIS O	Ant1	5260	NV	0	-40000.00	-7.604563	20	PASS
11N20SIS O	Ant1	5260	NV	10	-40000.00	-7.604563	20	PASS
11N20SIS O	Ant1	5260	NV	20	-40000.00	-7.604563	20	PASS
11N20SIS O	Ant1	5260	NV	30	-40000.00	-7.604563	20	PASS
11N20SIS O	Ant1	5260	NV	40	-40000.00	-7.604563	20	PASS
11N20SIS O	Ant1	5260	NV	50	-40000.00	-7.604563	20	PASS
11N20SIS O	Ant1	5280	NV	-30	-40000.00	-7.575758	20	PASS
11N20SIS O	Ant1	5280	NV	-20	-40000.00	-7.575758	20	PASS
11N20SIS O	Ant1	5280	NV	-10	-40000.00	-7.575758	20	PASS

11N20SIS O	Ant1	5280	NV	0	-40000.00	-7.575758	20	PASS
11N20SIS O	Ant1	5280	NV	10	-40000.00	-7.575758	20	PASS
11N20SIS O	Ant1	5280	NV	20	-40000.00	-7.575758	20	PASS
11N20SIS O	Ant1	5280	NV	30	-40000.00	-7.575758	20	PASS
11N20SIS O	Ant1	5280	NV	40	-40000.00	-7.575758	20	PASS
11N20SIS O	Ant1	5280	NV	50	-40000.00	-7.575758	20	PASS
11N20SIS O	Ant1	5320	NV	-30	-40000.00	-7.518797	20	PASS
11N20SIS O	Ant1	5320	NV	-20	-40000.00	-7.518797	20	PASS
11N20SIS O	Ant1	5320	NV	-10	-40000.00	-7.518797	20	PASS
11N20SIS O	Ant1	5320	NV	0	-40000.00	-7.518797	20	PASS
11N20SIS O	Ant1	5320	NV	10	-40000.00	-7.518797	20	PASS
11N20SIS O	Ant1	5320	NV	20	-40000.00	-7.518797	20	PASS
11N20SIS O	Ant1	5320	NV	30	-40000.00	-7.518797	20	PASS
11N20SIS O	Ant1	5320	NV	40	-40000.00	-7.518797	20	PASS
11N20SIS O	Ant1	5320	NV	50	-40000.00	-7.518797	20	PASS
11N20SIS O	Ant1	5500	NV	-30	-40000.00	-7.272727	20	PASS
11N20SIS O	Ant1	5500	NV	-20	-40000.00	-7.272727	20	PASS
11N20SIS O	Ant1	5500	NV	-10	-20000.00	-3.636364	20	PASS
11N20SIS O	Ant1	5500	NV	0	-40000.00	-7.272727	20	PASS
11N20SIS O	Ant1	5500	NV	10	-40000.00	-7.272727	20	PASS
11N20SIS O	Ant1	5500	NV	20	-40000.00	-7.272727	20	PASS
11N20SIS	Ant1	5500	NV	30	-40000.00	-7.272727	20	PASS

O								
11N20SIS O	Ant1	5500	NV	40	-40000.00	-7.272727	20	PASS
11N20SIS O	Ant1	5500	NV	50	-40000.00	-7.272727	20	PASS
11N20SIS O	Ant1	5580	NV	-30	-40000.00	-7.168459	20	PASS
11N20SIS O	Ant1	5580	NV	-20	-40000.00	-7.168459	20	PASS
11N20SIS O	Ant1	5580	NV	-10	-40000.00	-7.168459	20	PASS
11N20SIS O	Ant1	5580	NV	0	-40000.00	-7.168459	20	PASS
11N20SIS O	Ant1	5580	NV	10	-40000.00	-7.168459	20	PASS
11N20SIS O	Ant1	5580	NV	20	-40000.00	-7.168459	20	PASS
11N20SIS O	Ant1	5580	NV	30	-40000.00	-7.168459	20	PASS
11N20SIS O	Ant1	5580	NV	40	-40000.00	-7.168459	20	PASS
11N20SIS O	Ant1	5580	NV	50	-40000.00	-7.168459	20	PASS
11N20SIS O	Ant1	5700	NV	-30	-40000.00	-7.017544	20	PASS
11N20SIS O	Ant1	5700	NV	-20	-40000.00	-7.017544	20	PASS
11N20SIS O	Ant1	5700	NV	-10	-40000.00	-7.017544	20	PASS
11N20SIS O	Ant1	5700	NV	0	-40000.00	-7.017544	20	PASS
11N20SIS O	Ant1	5700	NV	10	-40000.00	-7.017544	20	PASS
11N20SIS O	Ant1	5700	NV	20	-40000.00	-7.017544	20	PASS
11N20SIS O	Ant1	5700	NV	30	-40000.00	-7.017544	20	PASS
11N20SIS O	Ant1	5700	NV	40	-40000.00	-7.017544	20	PASS
11N20SIS O	Ant1	5700	NV	50	-40000.00	-7.017544	20	PASS
11N20SIS O	Ant1	5745	NV	-30	-40000.00	-6.962576	20	PASS

11N20SIS O	Ant1	5745	NV	-20	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5745	NV	-10	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5745	NV	0	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5745	NV	10	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5745	NV	20	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5745	NV	30	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5745	NV	40	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5745	NV	50	-40000.00	-6.962576	20	PASS
11N20SIS O	Ant1	5785	NV	-30	-40000.00	-6.914434	20	PASS
11N20SIS O	Ant1	5785	NV	-20	-40000.00	-6.914434	20	PASS
11N20SIS O	Ant1	5785	NV	-10	-40000.00	-6.914434	20	PASS
11N20SIS O	Ant1	5785	NV	0	-40000.00	-6.914434	20	PASS
11N20SIS O	Ant1	5785	NV	10	-40000.00	-6.914434	20	PASS
11N20SIS O	Ant1	5785	NV	20	-40000.00	-6.914434	20	PASS
11N20SIS O	Ant1	5785	NV	30	-40000.00	-6.914434	20	PASS
11N20SIS O	Ant1	5785	NV	40	-40000.00	-6.914434	20	PASS
11N20SIS O	Ant1	5785	NV	50	-40000.00	-6.914434	20	PASS
11N20SIS O	Ant1	5825	NV	-30	-40000.00	-6.866953	20	PASS
11N20SIS O	Ant1	5825	NV	-20	-40000.00	-6.866953	20	PASS
11N20SIS O	Ant1	5825	NV	-10	-40000.00	-6.866953	20	PASS
11N20SIS O	Ant1	5825	NV	0	-40000.00	-6.866953	20	PASS
11N20SIS	Ant1	5825	NV	10	-40000.00	-6.866953	20	PASS

O								
11N20SIS O	Ant1	5825	NV	20	-40000.00	-6.866953	20	PASS
11N20SIS O	Ant1	5825	NV	30	-40000.00	-6.866953	20	PASS
11N20SIS O	Ant1	5825	NV	40	-40000.00	-6.866953	20	PASS
11N20SIS O	Ant1	5825	NV	50	-40000.00	-6.866953	20	PASS
11N40SIS O	Ant1	5190	NV	-30	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5190	NV	-20	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5190	NV	-10	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5190	NV	0	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5190	NV	10	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5190	NV	20	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5190	NV	30	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5190	NV	40	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5190	NV	50	-40000.00	-7.707129	20	PASS
11N40SIS O	Ant1	5230	NV	-30	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	-20	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	-10	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	0	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	10	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	20	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	30	-40000.00	-7.648184	20	PASS
11N40SIS O	Ant1	5230	NV	40	-40000.00	-7.648184	20	PASS

11N40SIS O	Ant1	5230	NV	50	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5270	NV	-30	-40000.00	-7.590133	20	PASS
11N40SIS O	Ant1	5270	NV	-20	-40000.00	-7.590133	20	PASS
11N40SIS O	Ant1	5270	NV	-10	-80000.00	-15.180266	20	PASS
11N40SIS O	Ant1	5270	NV	0	-40000.00	-7.590133	20	PASS
11N40SIS O	Ant1	5270	NV	10	-40000.00	-7.590133	20	PASS
11N40SIS O	Ant1	5270	NV	20	-40000.00	-7.590133	20	PASS
11N40SIS O	Ant1	5270	NV	30	-40000.00	-7.590133	20	PASS
11N40SIS O	Ant1	5270	NV	40	-40000.00	-7.590133	20	PASS
11N40SIS O	Ant1	5270	NV	50	-40000.00	-7.590133	20	PASS
11N40SIS O	Ant1	5310	NV	-30	-40000.00	-7.532957	20	PASS
11N40SIS O	Ant1	5310	NV	-20	-40000.00	-7.532957	20	PASS
11N40SIS O	Ant1	5310	NV	-10	-80000.00	-15.065913	20	PASS
11N40SIS O	Ant1	5310	NV	0	-40000.00	-7.532957	20	PASS
11N40SIS O	Ant1	5310	NV	10	-40000.00	-7.532957	20	PASS
11N40SIS O	Ant1	5310	NV	20	-40000.00	-7.532957	20	PASS
11N40SIS O	Ant1	5310	NV	30	-40000.00	-7.532957	20	PASS
11N40SIS O	Ant1	5310	NV	40	-40000.00	-7.532957	20	PASS
11N40SIS O	Ant1	5310	NV	50	-40000.00	-7.532957	20	PASS
11N40SIS O	Ant1	5510	NV	-30	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5510	NV	-20	0.00	0.000000	20	PASS
11N40SIS	Ant1	5510	NV	-10	-40000.00	-7.259528	20	PASS

O								
11N40SIS O	Ant1	5510	NV	0	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5510	NV	10	-40000.00	-7.259528	20	PASS
11N40SIS O	Ant1	5510	NV	20	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5510	NV	30	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5510	NV	40	-40000.00	-7.259528	20	PASS
11N40SIS O	Ant1	5510	NV	50	-40000.00	-7.259528	20	PASS
11N40SIS O	Ant1	5550	NV	-30	-40000.00	-7.207207	20	PASS
11N40SIS O	Ant1	5550	NV	-20	-40000.00	-7.207207	20	PASS
11N40SIS O	Ant1	5550	NV	-10	-40000.00	-7.207207	20	PASS
11N40SIS O	Ant1	5550	NV	0	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5550	NV	10	-40000.00	-7.207207	20	PASS
11N40SIS O	Ant1	5550	NV	20	-40000.00	-7.207207	20	PASS
11N40SIS O	Ant1	5550	NV	30	-40000.00	-7.207207	20	PASS
11N40SIS O	Ant1	5550	NV	40	-40000.00	-7.207207	20	PASS
11N40SIS O	Ant1	5550	NV	50	-40000.00	-7.207207	20	PASS
11N40SIS O	Ant1	5670	NV	-30	-40000.00	-7.054674	20	PASS
11N40SIS O	Ant1	5670	NV	-20	-40000.00	-7.054674	20	PASS
11N40SIS O	Ant1	5670	NV	-10	-40000.00	-7.054674	20	PASS
11N40SIS O	Ant1	5670	NV	0	-40000.00	-7.054674	20	PASS
11N40SIS O	Ant1	5670	NV	10	-40000.00	-7.054674	20	PASS
11N40SIS O	Ant1	5670	NV	20	0.00	0.000000	20	PASS

11N40SIS O	Ant1	5670	NV	30	-40000.00	-7.054674	20	PASS
11N40SIS O	Ant1	5670	NV	40	-40000.00	-7.054674	20	PASS
11N40SIS O	Ant1	5670	NV	50	-40000.00	-7.054674	20	PASS
11N40SIS O	Ant1	5755	NV	-30	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5755	NV	-20	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5755	NV	-10	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5755	NV	0	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5755	NV	10	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5755	NV	20	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5755	NV	30	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5755	NV	40	-40000.00	-6.950478	20	PASS
11N40SIS O	Ant1	5755	NV	50	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5795	NV	-30	-40000.00	-6.902502	20	PASS
11N40SIS O	Ant1	5795	NV	-20	-40000.00	-6.902502	20	PASS
11N40SIS O	Ant1	5795	NV	-10	-40000.00	-6.902502	20	PASS
11N40SIS O	Ant1	5795	NV	0	-40000.00	-6.902502	20	PASS
11N40SIS O	Ant1	5795	NV	10	-40000.00	-6.902502	20	PASS
11N40SIS O	Ant1	5795	NV	20	-40000.00	-6.902502	20	PASS
11N40SIS O	Ant1	5795	NV	30	0.00	0.000000	20	PASS
11N40SIS O	Ant1	5795	NV	40	-40000.00	-6.902502	20	PASS
11N40SIS O	Ant1	5795	NV	50	-40000.00	-6.902502	20	PASS
11AC20SI	Ant1	5180	NV	-30	-40000.00	-7.722008	20	PASS

SO								
11AC20SI SO	Ant1	5180	NV	-20	-40000.00	-7.722008	20	PASS
11AC20SI SO	Ant1	5180	NV	-10	-40000.00	-7.722008	20	PASS
11AC20SI SO	Ant1	5180	NV	0	-20000.00	-3.861004	20	PASS
11AC20SI SO	Ant1	5180	NV	10	-40000.00	-7.722008	20	PASS
11AC20SI SO	Ant1	5180	NV	20	-40000.00	-7.722008	20	PASS
11AC20SI SO	Ant1	5180	NV	30	-40000.00	-7.722008	20	PASS
11AC20SI SO	Ant1	5180	NV	40	-40000.00	-7.722008	20	PASS
11AC20SI SO	Ant1	5180	NV	50	-40000.00	-7.722008	20	PASS
11AC20SI SO	Ant1	5200	NV	-30	-40000.00	-7.692308	20	PASS
11AC20SI SO	Ant1	5200	NV	-20	-40000.00	-7.692308	20	PASS
11AC20SI SO	Ant1	5200	NV	-10	-40000.00	-7.692308	20	PASS
11AC20SI SO	Ant1	5200	NV	0	-40000.00	-7.692308	20	PASS
11AC20SI SO	Ant1	5200	NV	10	-40000.00	-7.692308	20	PASS
11AC20SI SO	Ant1	5200	NV	20	-40000.00	-7.692308	20	PASS
11AC20SI SO	Ant1	5200	NV	30	-40000.00	-7.692308	20	PASS
11AC20SI SO	Ant1	5200	NV	40	-40000.00	-7.692308	20	PASS
11AC20SI SO	Ant1	5200	NV	50	-40000.00	-7.692308	20	PASS
11AC20SI SO	Ant1	5240	NV	-30	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5240	NV	-20	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5240	NV	-10	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5240	NV	0	-40000.00	-7.633588	20	PASS

11AC20SI SO	Ant1	5240	NV	10	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5240	NV	20	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5240	NV	30	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5240	NV	40	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5240	NV	50	-40000.00	-7.633588	20	PASS
11AC20SI SO	Ant1	5260	NV	-30	-40000.00	-7.604563	20	PASS
11AC20SI SO	Ant1	5260	NV	-20	-40000.00	-7.604563	20	PASS
11AC20SI SO	Ant1	5260	NV	-10	-40000.00	-7.604563	20	PASS
11AC20SI SO	Ant1	5260	NV	0	-40000.00	-7.604563	20	PASS
11AC20SI SO	Ant1	5260	NV	10	-40000.00	-7.604563	20	PASS
11AC20SI SO	Ant1	5260	NV	20	-40000.00	-7.604563	20	PASS
11AC20SI SO	Ant1	5260	NV	30	-40000.00	-7.604563	20	PASS
11AC20SI SO	Ant1	5260	NV	40	-40000.00	-7.604563	20	PASS
11AC20SI SO	Ant1	5260	NV	50	-40000.00	-7.604563	20	PASS
11AC20SI SO	Ant1	5280	NV	-30	-40000.00	-7.575758	20	PASS
11AC20SI SO	Ant1	5280	NV	-20	-40000.00	-7.575758	20	PASS
11AC20SI SO	Ant1	5280	NV	-10	-40000.00	-7.575758	20	PASS
11AC20SI SO	Ant1	5280	NV	0	-40000.00	-7.575758	20	PASS
11AC20SI SO	Ant1	5280	NV	10	-40000.00	-7.575758	20	PASS
11AC20SI SO	Ant1	5280	NV	20	-40000.00	-7.575758	20	PASS
11AC20SI SO	Ant1	5280	NV	30	-40000.00	-7.575758	20	PASS
11AC20SI	Ant1	5280	NV	40	-40000.00	-7.575758	20	PASS

SO								
11AC20SI SO	Ant1	5280	NV	50	-40000.00	-7.575758	20	PASS
11AC20SI SO	Ant1	5320	NV	-30	-40000.00	-7.518797	20	PASS
11AC20SI SO	Ant1	5320	NV	-20	-40000.00	-7.518797	20	PASS
11AC20SI SO	Ant1	5320	NV	-10	-40000.00	-7.518797	20	PASS
11AC20SI SO	Ant1	5320	NV	0	-40000.00	-7.518797	20	PASS
11AC20SI SO	Ant1	5320	NV	10	-40000.00	-7.518797	20	PASS
11AC20SI SO	Ant1	5320	NV	20	-40000.00	-7.518797	20	PASS
11AC20SI SO	Ant1	5320	NV	30	-40000.00	-7.518797	20	PASS
11AC20SI SO	Ant1	5320	NV	40	-40000.00	-7.518797	20	PASS
11AC20SI SO	Ant1	5320	NV	50	-40000.00	-7.518797	20	PASS
11AC20SI SO	Ant1	5500	NV	-30	-40000.00	-7.272727	20	PASS
11AC20SI SO	Ant1	5500	NV	-20	-20000.00	-3.636364	20	PASS
11AC20SI SO	Ant1	5500	NV	-10	-40000.00	-7.272727	20	PASS
11AC20SI SO	Ant1	5500	NV	0	-40000.00	-7.272727	20	PASS
11AC20SI SO	Ant1	5500	NV	10	-40000.00	-7.272727	20	PASS
11AC20SI SO	Ant1	5500	NV	20	-40000.00	-7.272727	20	PASS
11AC20SI SO	Ant1	5500	NV	30	-40000.00	-7.272727	20	PASS
11AC20SI SO	Ant1	5500	NV	40	-20000.00	-3.636364	20	PASS
11AC20SI SO	Ant1	5500	NV	50	-40000.00	-7.272727	20	PASS
11AC20SI SO	Ant1	5580	NV	-30	-40000.00	-7.168459	20	PASS
11AC20SI SO	Ant1	5580	NV	-20	-40000.00	-7.168459	20	PASS

11AC20SI SO	Ant1	5580	NV	-10	-40000.00	-7.168459	20	PASS
11AC20SI SO	Ant1	5580	NV	0	-40000.00	-7.168459	20	PASS
11AC20SI SO	Ant1	5580	NV	10	-40000.00	-7.168459	20	PASS
11AC20SI SO	Ant1	5580	NV	20	-60000.00	-10.752688	20	PASS
11AC20SI SO	Ant1	5580	NV	30	-40000.00	-7.168459	20	PASS
11AC20SI SO	Ant1	5580	NV	40	-40000.00	-7.168459	20	PASS
11AC20SI SO	Ant1	5580	NV	50	-40000.00	-7.168459	20	PASS
11AC20SI SO	Ant1	5700	NV	-30	-60000.00	-10.526316	20	PASS
11AC20SI SO	Ant1	5700	NV	-20	-40000.00	-7.017544	20	PASS
11AC20SI SO	Ant1	5700	NV	-10	-40000.00	-7.017544	20	PASS
11AC20SI SO	Ant1	5700	NV	0	-60000.00	-10.526316	20	PASS
11AC20SI SO	Ant1	5700	NV	10	-60000.00	-10.526316	20	PASS
11AC20SI SO	Ant1	5700	NV	20	-40000.00	-7.017544	20	PASS
11AC20SI SO	Ant1	5700	NV	30	-40000.00	-7.017544	20	PASS
11AC20SI SO	Ant1	5700	NV	40	-40000.00	-7.017544	20	PASS
11AC20SI SO	Ant1	5700	NV	50	-40000.00	-7.017544	20	PASS
11AC20SI SO	Ant1	5745	NV	-30	-60000.00	-10.443864	20	PASS
11AC20SI SO	Ant1	5745	NV	-20	-60000.00	-10.443864	20	PASS
11AC20SI SO	Ant1	5745	NV	-10	-60000.00	-10.443864	20	PASS
11AC20SI SO	Ant1	5745	NV	0	-40000.00	-6.962576	20	PASS
11AC20SI SO	Ant1	5745	NV	10	-60000.00	-10.443864	20	PASS
11AC20SI	Ant1	5745	NV	20	-60000.00	-10.443864	20	PASS

SO								
11AC20SI SO	Ant1	5745	NV	30	-40000.00	-6.962576	20	PASS
11AC20SI SO	Ant1	5745	NV	40	-60000.00	-10.443864	20	PASS
11AC20SI SO	Ant1	5745	NV	50	-40000.00	-6.962576	20	PASS
11AC20SI SO	Ant1	5785	NV	-30	-40000.00	-6.914434	20	PASS
11AC20SI SO	Ant1	5785	NV	-20	-40000.00	-6.914434	20	PASS
11AC20SI SO	Ant1	5785	NV	-10	-60000.00	-10.371651	20	PASS
11AC20SI SO	Ant1	5785	NV	0	-60000.00	-10.371651	20	PASS
11AC20SI SO	Ant1	5785	NV	10	-40000.00	-6.914434	20	PASS
11AC20SI SO	Ant1	5785	NV	20	-60000.00	-10.371651	20	PASS
11AC20SI SO	Ant1	5785	NV	30	-40000.00	-6.914434	20	PASS
11AC20SI SO	Ant1	5785	NV	40	-40000.00	-6.914434	20	PASS
11AC20SI SO	Ant1	5785	NV	50	-60000.00	-10.371651	20	PASS
11AC20SI SO	Ant1	5825	NV	-30	-60000.00	-10.300429	20	PASS
11AC20SI SO	Ant1	5825	NV	-20	-40000.00	-6.866953	20	PASS
11AC20SI SO	Ant1	5825	NV	-10	-60000.00	-10.300429	20	PASS
11AC20SI SO	Ant1	5825	NV	0	-60000.00	-10.300429	20	PASS
11AC20SI SO	Ant1	5825	NV	10	-60000.00	-10.300429	20	PASS
11AC20SI SO	Ant1	5825	NV	20	-40000.00	-6.866953	20	PASS
11AC20SI SO	Ant1	5825	NV	30	-40000.00	-6.866953	20	PASS
11AC20SI SO	Ant1	5825	NV	40	-40000.00	-6.866953	20	PASS
11AC20SI SO	Ant1	5825	NV	50	-60000.00	-10.300429	20	PASS

11AC40SI SO	Ant1	5190	NV	-30	-40000.00	-7.707129	20	PASS
11AC40SI SO	Ant1	5190	NV	-20	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5190	NV	-10	-40000.00	-7.707129	20	PASS
11AC40SI SO	Ant1	5190	NV	0	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5190	NV	10	-40000.00	-7.707129	20	PASS
11AC40SI SO	Ant1	5190	NV	20	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5190	NV	30	-40000.00	-7.707129	20	PASS
11AC40SI SO	Ant1	5190	NV	40	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5190	NV	50	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5230	NV	-30	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5230	NV	-20	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5230	NV	-10	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5230	NV	0	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5230	NV	10	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5230	NV	20	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5230	NV	30	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5230	NV	40	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5230	NV	50	-40000.00	-7.648184	20	PASS
11AC40SI SO	Ant1	5270	NV	-30	-40000.00	-7.590133	20	PASS
11AC40SI SO	Ant1	5270	NV	-20	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5270	NV	-10	0.00	0.000000	20	PASS
11AC40SI	Ant1	5270	NV	0	0.00	0.000000	20	PASS

SO								
11AC40SI SO	Ant1	5270	NV	10	-40000.00	-7.590133	20	PASS
11AC40SI SO	Ant1	5270	NV	20	-40000.00	-7.590133	20	PASS
11AC40SI SO	Ant1	5270	NV	30	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5270	NV	40	-40000.00	-7.590133	20	PASS
11AC40SI SO	Ant1	5270	NV	50	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5310	NV	-30	-40000.00	-7.532957	20	PASS
11AC40SI SO	Ant1	5310	NV	-20	-40000.00	-7.532957	20	PASS
11AC40SI SO	Ant1	5310	NV	-10	-40000.00	-7.532957	20	PASS
11AC40SI SO	Ant1	5310	NV	0	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5310	NV	10	-40000.00	-7.532957	20	PASS
11AC40SI SO	Ant1	5310	NV	20	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5310	NV	30	-40000.00	-7.532957	20	PASS
11AC40SI SO	Ant1	5310	NV	40	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5310	NV	50	-40000.00	-7.532957	20	PASS
11AC40SI SO	Ant1	5510	NV	-30	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5510	NV	-20	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5510	NV	-10	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5510	NV	0	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5510	NV	10	-40000.00	-7.259528	20	PASS
11AC40SI SO	Ant1	5510	NV	20	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5510	NV	30	0.00	0.000000	20	PASS

11AC40SI SO	Ant1	5510	NV	40	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5510	NV	50	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5550	NV	-30	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5550	NV	-20	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5550	NV	-10	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5550	NV	0	-40000.00	-7.207207	20	PASS
11AC40SI SO	Ant1	5550	NV	10	-40000.00	-7.207207	20	PASS
11AC40SI SO	Ant1	5550	NV	20	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5550	NV	30	-40000.00	-7.207207	20	PASS
11AC40SI SO	Ant1	5550	NV	40	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5550	NV	50	-40000.00	-7.207207	20	PASS
11AC40SI SO	Ant1	5670	NV	-30	-40000.00	-7.054674	20	PASS
11AC40SI SO	Ant1	5670	NV	-20	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5670	NV	-10	-40000.00	-7.054674	20	PASS
11AC40SI SO	Ant1	5670	NV	0	-40000.00	-7.054674	20	PASS
11AC40SI SO	Ant1	5670	NV	10	-40000.00	-7.054674	20	PASS
11AC40SI SO	Ant1	5670	NV	20	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5670	NV	30	-40000.00	-7.054674	20	PASS
11AC40SI SO	Ant1	5670	NV	40	-40000.00	-7.054674	20	PASS
11AC40SI SO	Ant1	5670	NV	50	-40000.00	-7.054674	20	PASS
11AC40SI SO	Ant1	5755	NV	-30	-40000.00	-6.950478	20	PASS
11AC40SI	Ant1	5755	NV	-20	-40000.00	-6.950478	20	PASS

SO								
11AC40SI SO	Ant1	5755	NV	-10	-40000.00	-6.950478	20	PASS
11AC40SI SO	Ant1	5755	NV	0	-40000.00	-6.950478	20	PASS
11AC40SI SO	Ant1	5755	NV	10	-40000.00	-6.950478	20	PASS
11AC40SI SO	Ant1	5755	NV	20	-40000.00	-6.950478	20	PASS
11AC40SI SO	Ant1	5755	NV	30	-40000.00	-6.950478	20	PASS
11AC40SI SO	Ant1	5755	NV	40	-40000.00	-6.950478	20	PASS
11AC40SI SO	Ant1	5755	NV	50	-40000.00	-6.950478	20	PASS
11AC40SI SO	Ant1	5795	NV	-30	0.00	0.000000	20	PASS
11AC40SI SO	Ant1	5795	NV	-20	-40000.00	-6.902502	20	PASS
11AC40SI SO	Ant1	5795	NV	-10	-40000.00	-6.902502	20	PASS
11AC40SI SO	Ant1	5795	NV	0	-40000.00	-6.902502	20	PASS
11AC40SI SO	Ant1	5795	NV	10	-40000.00	-6.902502	20	PASS
11AC40SI SO	Ant1	5795	NV	20	-40000.00	-6.902502	20	PASS
11AC40SI SO	Ant1	5795	NV	30	-40000.00	-6.902502	20	PASS
11AC40SI SO	Ant1	5795	NV	40	-40000.00	-6.902502	20	PASS
11AC40SI SO	Ant1	5795	NV	50	-40000.00	-6.902502	20	PASS
11AC80SI SO	Ant1	5210	NV	-30	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5210	NV	-20	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5210	NV	-10	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5210	NV	0	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5210	NV	10	0.00	0.000000	20	PASS

11AC80SI SO	Ant1	5210	NV	20	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5210	NV	30	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5210	NV	40	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5210	NV	50	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5290	NV	-30	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5290	NV	-20	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5290	NV	-10	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5290	NV	0	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5290	NV	10	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5290	NV	20	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5290	NV	30	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5290	NV	40	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5290	NV	50	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5530	NV	-30	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5530	NV	-20	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5530	NV	-10	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5530	NV	0	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5530	NV	10	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5530	NV	20	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5530	NV	30	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5530	NV	40	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5530	NV	50	0.00	0.000000	20	PASS

SO								
11AC80SI SO	Ant1	5610	NV	-30	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5610	NV	-20	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5610	NV	-10	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5610	NV	0	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5610	NV	10	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5610	NV	20	-80000.00	-14.260250	20	PASS
11AC80SI SO	Ant1	5610	NV	30	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5610	NV	40	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5610	NV	50	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5775	NV	-30	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5775	NV	-20	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5775	NV	-10	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5775	NV	0	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5775	NV	10	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5775	NV	20	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5775	NV	30	0.00	0.000000	20	PASS
11AC80SI SO	Ant1	5775	NV	40	-80000.00	-13.852814	20	PASS
11AC80SI SO	Ant1	5775	NV	50	0.00	0.000000	20	PASS